

Application Serial No. 10/551,817
Reply to Office Action of August 1, 2008

PATENT
Docket No. CU-4448

REMARKS/ARGUMENTS

Reconsideration is respectfully requested.

Claims 1-4 are pending in the present application. No new matter has been added.

In the office action (page 2), claims 1 and 4 stand rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,374,112 (Widegren). The "et al." suffix is omitted in this paper.

The applicants respectfully disagree and submit that the claims, as they now stand, are in condition for allowance.

Widegren is cited in the office action for disclosing "The UTRAN includes plural base stations for communicating with mobile radio over a radio/air interface using radio channel resources allocated by a radio network controller connected to the base stations" and "The UTRAN provides a radio access bearer services to the external network service nodes, and radio access bearers are dynamically assigned to radio channel resources by the UTRAN". The applicants understand that the examiner cited Widegren for it discloses a RNC for allocating radio channel resources during establishing a connection between a core network service node and a mobile station.

However it is respectfully submitted that the Widegren disclose is too general to solve the technical problem which is solved by the presently claimed invention.

By referring to Figs. 1 and 4 of Widegren, it can be understood that the object of allocating radio channel resources by RNC is responding to the request transmitted to the UTRAN for establishing a connection between a core network service node and a mobile station. That object is different from and is irrelevant to what is solved by the

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presently claimed invention.

The presently claimed invention is realized in a radio network controller (RNC) having distributed architecture. As recited in the background of the invention, since the amount of data flow is comparatively large, the function of managing data transmission is generally realized in a plurality of processing boards, with one processing board providing services for a certain number of handsets (UE). Therefore, the technical problem to be solved by the present invention is to avoid increasing of signaling load between boards and degrading of call handling capability of the RNC system caused by frequent UE handover.

The inventive point of currently pending claim 1 for solving the technical problem to be solved by the presently claimed invention is: said one of a plurality of data transmission management boards is the same during the user equipment handover procedure.

It is respectfully submitted that Widegren does not disclose the following particulars of claim 1:

- user equipment in the handover procedure;
- RNC includes a plurality of data transmission management boards (applicant does not, as asserted by the examiner, find the same feature in the abstract of Widegren); and
- said one of a plurality of data transmission management boards is the same during the user equipment handover procedure.

As a result, neither the technical problem nor the technical solution of the invention was described in Widegren. Accordingly, it would be hard for those skilled in

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the art to develop the technical solution of the presently claimed invention based on Widegren.

It is well settled that a reference must teach each and every claimed limitation to anticipate an invention. Since Widegren does not teach or even hints at any of the above noted limitations required in the presently claimed invention, then Widegren cannot support an anticipation rejection. Accordingly, the examiner is respectfully requested to withdraw this anticipation rejection.

Further the applicants respectfully submit that claim 4 is also allowable at least since it depends from claim 1, which is now considered to be in condition for allowance for the reasons above.

In the office action (page 4), claims 2-3 stand rejected under 35 U.S.C. § 103(a) as being obvious over Widegren in view of U.S. Patent No. 6,801,508 (Lim).

The applicants respectfully disagree and submit that the claims, as they now stand, are in condition for allowance.

The above comments are equally applicable here in that Widegren does not teach or even hint at (1) user equipment in the handover procedure; (2) an RNC that includes a plurality of data transmission management boards; and (3) said one of a plurality of data transmission management boards is the same during the user equipment handover procedure.

Even if as asserted in the office action page 5 at lines 8-11, Lim is found to teach the steps of causing the second ATM interface board to learn an IP address of the data transmission management board, by the radio signaling management board; and causing the data transmission management board to learn an IP address of the second

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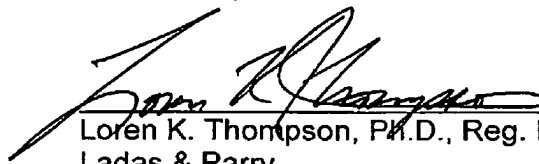
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ATM interface board, by the radio signaling management board, then Lin still does not teach or suggest all of the limitations of the presently claimed invention. In particular, Lin does not even hint at (1) user equipment in the handover procedure; (2) an RNC that includes a plurality of data transmission management boards; and (3) said one of a plurality of data transmission management boards is the same during the user equipment handover procedure. Therefore, combining Lin with Widegren does not cure the above noted deficiency that Widegren suffers when replicating the presently claimed invention. Accordingly, the combination of Widegren and Lin cannot support an obviousness rejection to the presently claimed invention. Therefore, the examiner is respectfully requested to withdraw this obviousness rejection.

For the reasons set forth above, the applicants respectfully submit that claims 1-4, now pending in this application, are in condition for allowance over the cited references. Accordingly, the applicants respectfully request reconsideration and withdrawal of the outstanding rejections and earnestly solicit an indication of allowable subject matter. This amendment is considered to be responsive to all points raised in the office action. Should the examiner have any remaining questions or concerns, the examiner is encouraged to contact the undersigned attorney by telephone to expeditiously resolve such concerns.

Respectfully submitted,

Dated: October 29, 2008



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